

### 3.10 Sum & Difference Identities (Cosine) odd answers

1.  $\frac{13\pi}{12}$

3.  $\frac{\pi}{3}$

5.  $210^\circ - 45^\circ$ , or  $120^\circ + 45^\circ$

7.  $\frac{2\pi}{3} - \frac{\pi}{4}$

9.  $\frac{-\sqrt{6}+\sqrt{2}}{4}$

11.  $\frac{-\sqrt{6}-\sqrt{2}}{4}$

13.  $\frac{\sqrt{6}-\sqrt{2}}{4}$

15.  $\cos(21^\circ)$

17.  $\cos\left(\frac{3\pi}{10}\right)$

19. b

21. a

23.  $\frac{\sqrt{3}}{2}$

25.  $-\frac{63}{65}$

27.  $-\sin \alpha$

29. work is answer

31. work is answer

33. work is part of answer:  $\cos^2 x$